EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	56	381/89 and (delay$1 same direct$5)	US-PGPUB; USPAT	OR	OFF	2010/02/22 13:08
L14	56	381/89 and (delay$1 same direct$7)	US-PGPUB; USPAT	OR	OFF	2010/02/22 13:08
L15	15	381/89 and (delay$1 same direct$7 same (mix$4 or add$3))	US-PGPUB; USPAT	OR	OFF	2010/02/22 13:17
L16	14	("5109416" | "5119428" | "5201006" | "5233664" | "5636283" | "5809153" | "5953432" | "6111962" | "6141415" | "6791519" | "6996240" | "7054448" | "7092541" | "7362874").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 13:18
L17	16	381/89 and (delay$1 same (mix$4 or add$4) same speaker$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 13:31
L18	600	"381"/$.ccls. and (delay $1 same (mix$4 or add $4) same speaker$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 13:34
L19	8	381/335 and (delay$1 same (mix$4 or add$4) same speaker$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 13:34
L20	6	"5675655"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 15:29
L21	30	konagai-yusuke$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 15:50
L22	15	takumai-susumu$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 15:56
S1	4	"5953432"	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:29
S2	27	"5233664"	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:29
S3	0	wo-200123104-$.did.	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:30
S4	1	wo-200123104-$.did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/15 16:30

S5	2	"20070165878"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/15 16:30
S6	165	weight$3 and 381/104	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:50
S7	20	(weight$3 same direct $4) and 381/104	US-PGPUB; USPAT	OR	OFF	2007/11/15 17:00
S8	16	(weight$3 same direct $4) and 381/335	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:38
S9	345	381/89	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:38
S10	14	S9 and weight$3 and direct$3 and delay	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:39
S11	19	("20020085731" | "20030219137" | "20050129258" | "3617654" | "4308423" | "4509184" | "5043970" | "5199075" | "5253301" | "5561717" | "5657391" | "5661808" | "5677957" | "5727066" | "5862227" | "5870484" | "5949894" | "6198826" | "6363157").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 22:45
S12	18	381/89 and (delay same ("0" or equal))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:41
S13	29	381/89 and (wide same direct$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 00:35
S14	0	381/89 and (bessel near array)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:43
S15	15	(bessel near array)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:43
S16	4	381/89 and (wide same narrow same direct$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:06
S17	16	konagai-yusuke$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S18	265	381/335	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S19	605	381/111	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S20	0	"2001346297"	US-PGPUB; USPAT	OR	OFF	2008/05/19 14:31

S21	1	"2001346297"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:31
S22	2	"2004000675"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:32
S23	5	"6498852"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S24	17	"5666424"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S25	14	"5930373"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S26	26	"4118601"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S27	35	"3772479"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S28	1	"20070076905"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S29	1	"20070076905"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S30	1	"2001025084"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S31	1	"2000184488"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:35
S32	1	"2003230071"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:35
S33	29	"5233664"	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:02

S34	186	381/105	US-PGPUB, USPAT	OR	OFF	2008/05/19 15:15
S35	132	S34 and direct$6	US-PGPUB, USPAT	OR	OFF	2008/05/19 15:15
S36	601	381/77 and direct$6	US-PGPUB, USPAT	OR	OFF	2008/05/19 15:17
S37	189	381/77 and (direct$6 same speaker)	US-PGPUB, USPAT	OR	OFF	2008/05/19 15:18
S38	1	"20020072816"	US-PGPUB; USPAT	OR	OFF	2008/05/19 16:28
S39	30	(US-20070019831-$ or US-20070165878-$ or US-20060182298-$ or US-20030219137-$ or US-20070076905-$ or US-20020072816-$).did. or (US-7254239-$ or US-7215788-$ or US-6181796-$ or US-5537479-$ or US-5526456-$ or US-5233664-$ or US-7181033-$ or US-6751325-$ or US-5953432-$ or US-5684879-$ or US-5661808-$ or US-5657391-$ or US-6498852-$ or US-5666424-$ or US-5930373-$ or US-4118601-$ or US-3772479-$ or US-6954666-$ or US-6942248-$ or US-6850623-$).did. or (JP-2001346297-$ or JP-2001025084-$ or JP-2000184488-$ or JP-2003230071-$).did. or (WO-200123104-$).did.	US-PGPUB, USPAT; JPO; DERWENT	OR	OFF	2008/05/27 06:24
S40	13	wide and S39	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:24
S41	9	wide and narrow and S39	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:24
S42	38	wide and narrow and 381/89	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:28
S43	48	wide and narrow and 381/111	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:35

S44	1	(381/58,59).ccls. and (wide same narrow same directiv$6)	US-PGPUB; USPAT	OR	OFF	2008/11/12 13:47
S45	1	(381/58,59).ccls. and (wide same narrow same directiv$6)	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 13:48
S46	58	"381"/$.ccls. and (wide same narrow same directiv$6)	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 13:49
S47	30	"5233664"	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:32
S48	4	"5953432"	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:32
S49	0	wo-200123104-%.did.	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:33
S50	0	wo-200123104-$.did.	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:33
S51	0	wo-200123104-$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/11/12 14:33
S52	34	(US-20070019831-$ or US-20070165878-$ or US-20060182298-$ or US-20030219137-$ or US-20070076905-$ or US-20020072816-$ or US-20040022409-$).did. or (US-7254239-$ or US-7215788-$ or US-6181796-$ or US-5537479-$ or US-5526456-$ or US-5233664-$ or US-7181033-$ or US-6751325-$ or US-5953432-$ or US-5684879-$ or US-5661808-$ or US-5657391-$ or US-6498852-$ or US-5666424-$ or US-5930373-$ or US-4118601-$ or US-3772479-$ or US-6954666-$ or US-6942248-$ or US-6850623-$ or US-7191022-$ or US-5675655-$ or US-5793875-$).did. or (JP-2001346297-$ or JP-2001025084-$ or JP-2000184488-$ or JP-	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2008/11/19 20:38

		2003230071-$).did. or (WO-200123104-$). did.				
S53	21	S52 and delay	US-PGPUB; USPAT	OR	OFF	2008/11/19 20:38
S54	53084	speaker same level sam eangle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S55	1485672	speaker same level sam angle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S56	269	speaker same level same angle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S57	123	"381"/$.ccls. and S56	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S58	14	speaker same level same angle same attenuat$3	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:16
S59	20	"5109419"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:32
S60	27	"4118601"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:32
S61	1	"20050271230"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:34
S62	5	"6498852"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:34
S63	27	"4118601"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:35
S64	1	"20060050897"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:35
S65	40	(US-20070019831-$ or US-20070165878-$ or US-20060182298-$ or US-20030219137-$ or US-20070076905-$ or US-20020072816-$ or US-20040022409-$ or US-20040240697-$ or US-20060153407-$ or US-20050271230-$ or US-20060050897-$). did. or (US-7254239-$ or US-7215788-$ or US-6181796-$ or US-5537479-$ or US-5526456-$ or US-5233664-$ or US-7181033-$ or US-6751325-$ or US-5953432-$ or US-5684879-$ or US-5661808-$ or US-5657391-$ or US-	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/06/03 18:25

		6498852-$ or US-5666424-$ or US-5930373-$ or US-4118601-$ or US-3772479-$ or US-6954666-$ or US-6942248-$ or US-6850623-$ or US-7191022-$ or US-5675655-$ or US-5793875-$ or US-4378468-$ or US-5109419-$).did. or (JP-2001346297-$ or JP-2001025084-$ or JP-2000184488-$ or JP-2003230071-$).did. or (WO-200123104-$).did.				
S66	18	S65 and (delay same direct$6)	US-PGPUB; USPAT	OR	OFF	2009/06/03 18:25
S67	1	"20010016047"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:02
S68	1	"20060050897"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
S69	1	"20050271230"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
S70	20	"5109419"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
S71	11	"4984273"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
S72	54	"4024344"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:04
S73	5	"6240189"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:04
S74	0	(381/63,98).ccls. and (wide same narrow same directiv$6)	US-PGPUB; USPAT; EPO	OR	OFF	2009/06/03 19:07
S75	0	(381/63,98).ccls. and (wide same narrow same directiv$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/03 19:07
S76	1	"20060050897"	US-PGPUB; USPAT	OR	OFF	2010/01/29 17:50
S77	1	"20070165878"	US-PGPUB; USPAT	OR	OFF	2010/01/29 17:52

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